

Act 4 - Scene 4

Maintainability

Forum 2, The Hague, 24th - 26th October 2006



VIVACE

Joris Cezard, Eurocopter

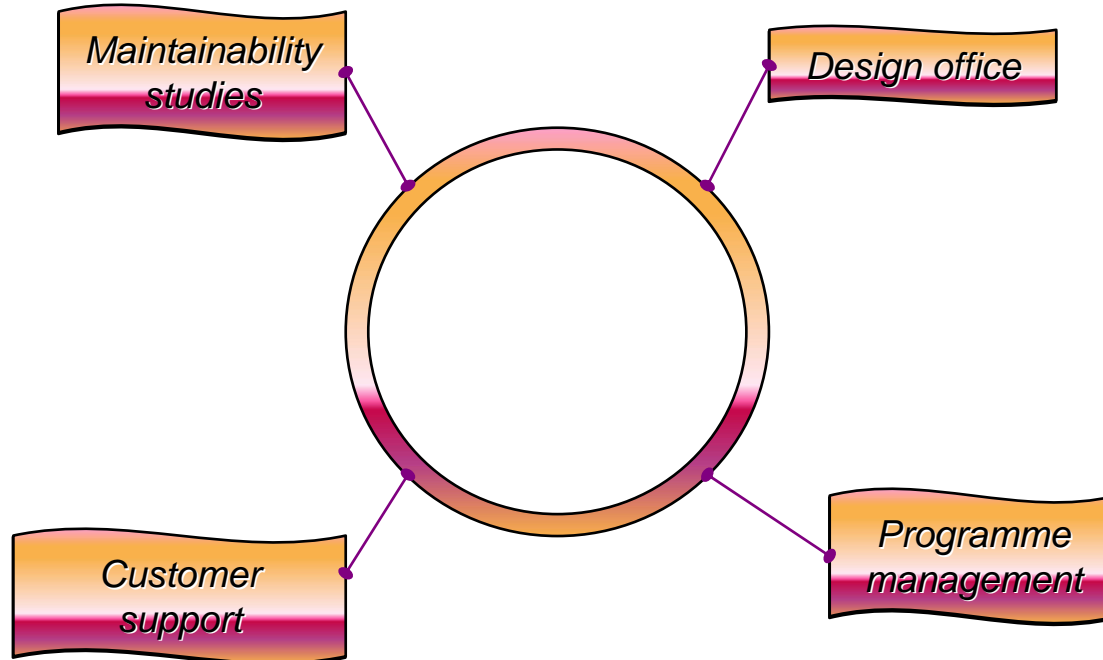


Act 4 - Scene 4 - Maintainability

Scope

To improve **maintainability studies efficiency** within the framework of **collaborative design**

in the industry



Fluent process

- Fluent communication -

Fluent exchanges

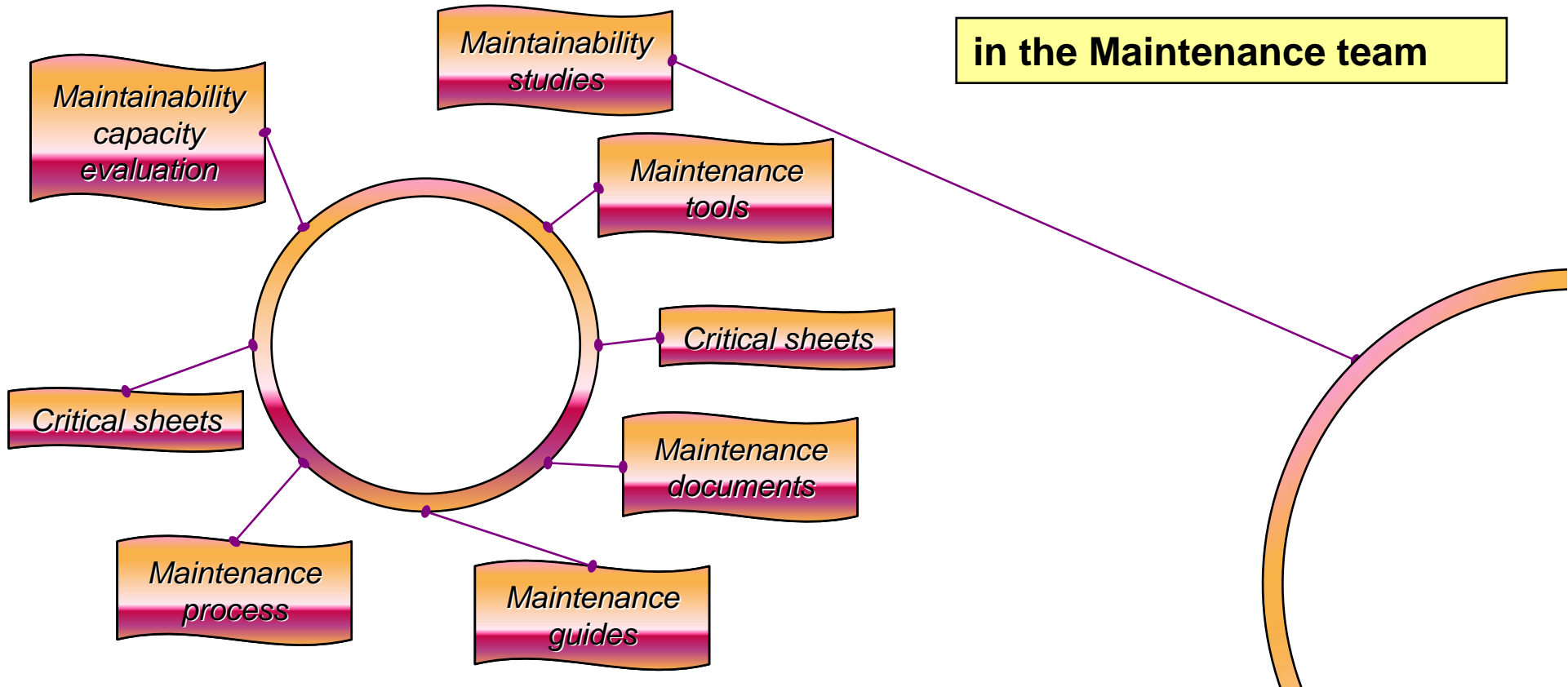


Act 4 - Scene 4 - Maintainability

Scope

To improve **maintainability studies efficiency** within the framework of **collaborative design**

in the Maintenance team



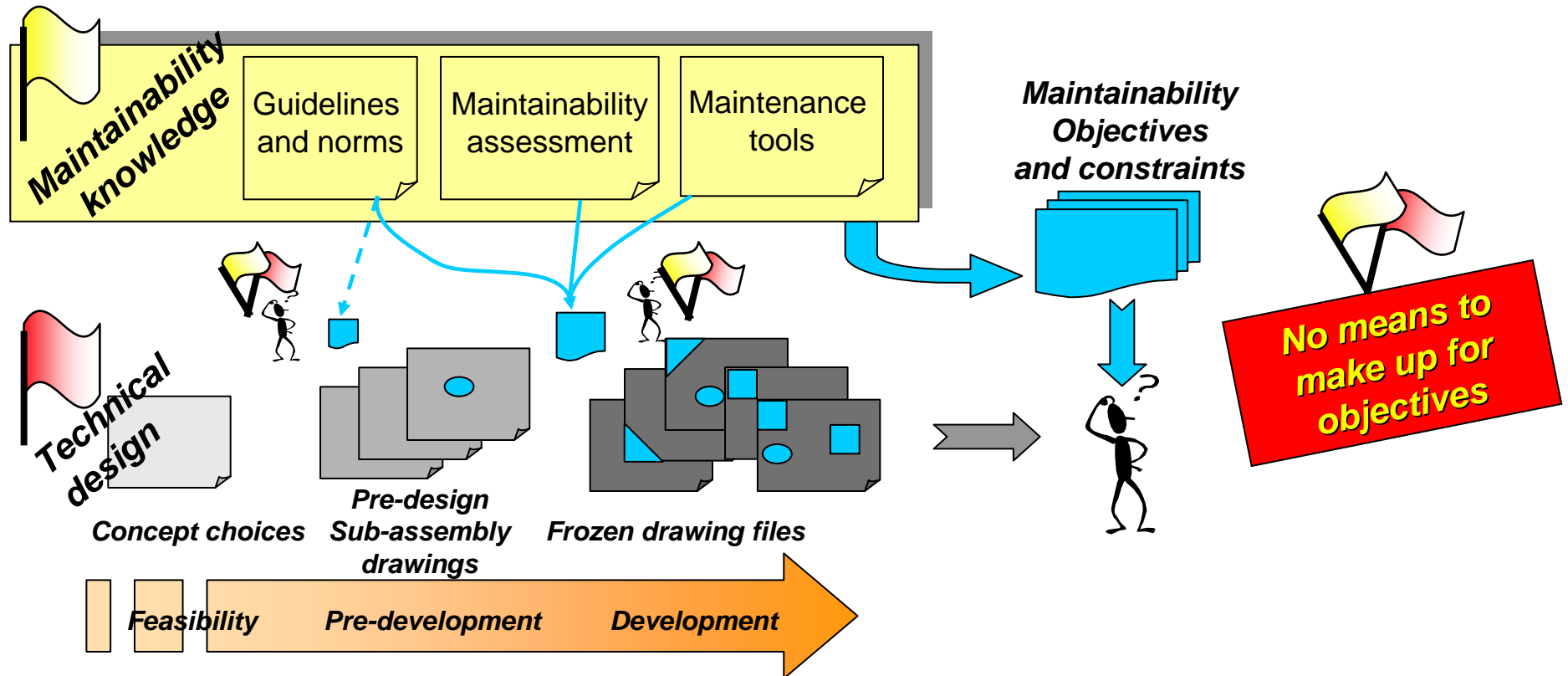
Fluent process - Fluent communication - Fluent exchanges



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AS IS

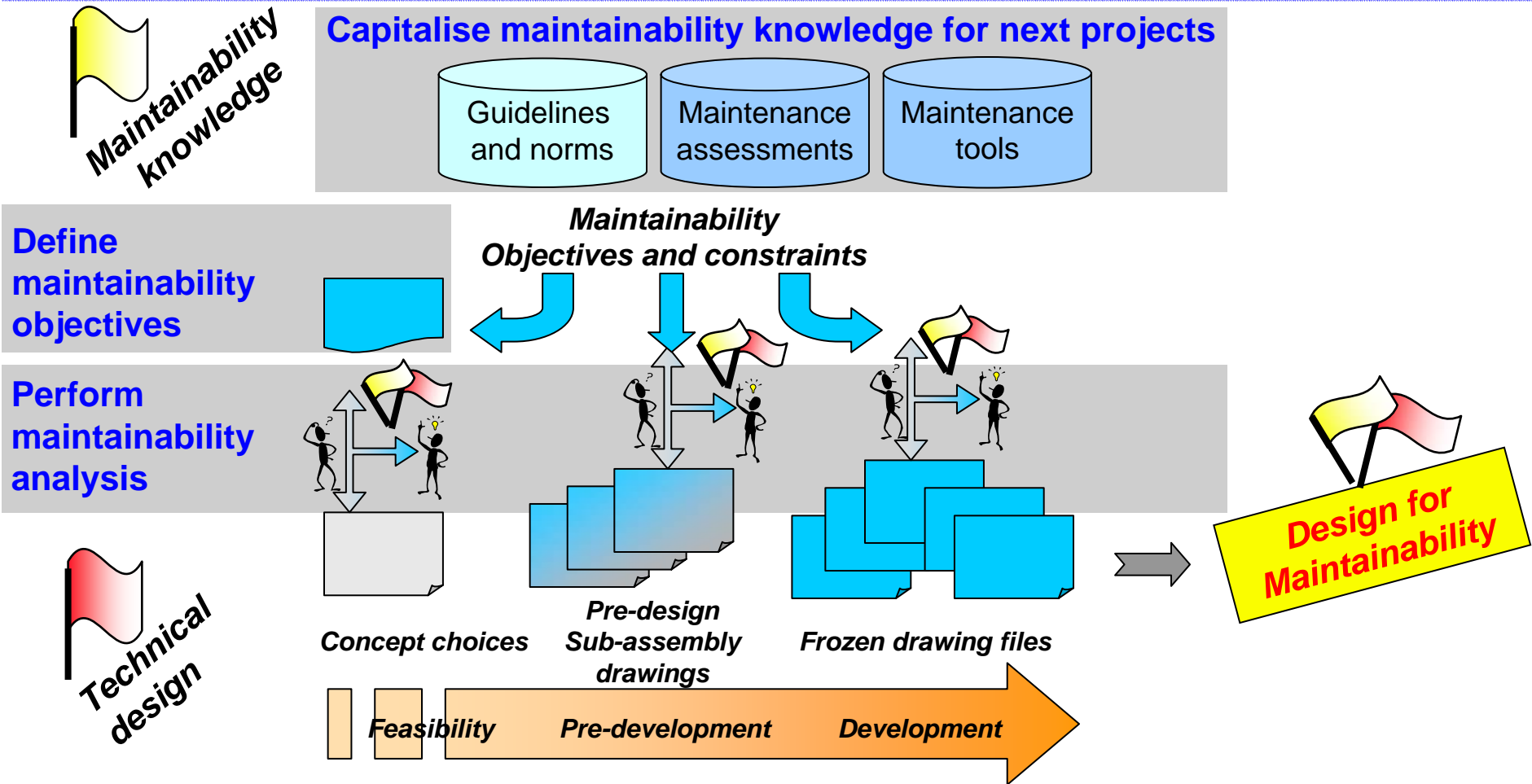
Discontinuous maintainability optimisation : Maintainability analysis/assessments and maintenance tools studies are most often done during development phase





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TO BE





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Demonstration plan

- ✓ Consult Process and deliverables
- ✓ Realize maintainability documents
 - Method = instructions, methods and norms
 - Input = input documents
 - Output = output documents *templates*
- ✓ Consult maintainability documents (existing maintenance doc)
- ✓ Consult maintenance guide (SQL database)
- ✓ Consult a critical sheet (SQL database)
- ✓ Store a customer question and the answer (SQL database)
- ✓ Consult a maintenance capacity document
- ✓ Consult Guides by theme
 - ✓ All helicopter Instruction, Norms and Guides
- ✓ Consult GSE database (keyword search)



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Current Status

<i>Demonstrator development of 1st full demonstrator</i>	<i>Issued</i>
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Next step

<i>Demonstrator test with a real set of data</i>	<i>To start at M35</i>
<i>User manual</i>	<i>Started at M33</i>



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Conclusion

TO SPEED UP MAINTAINABILITY STUDIES PROCESS WHILE IMPROVING QUALITY APPLYING A “DESIGN TO MAINTAINABILITY” PROCESS

To put “IDEAL MAINTAINABILITY PROCESS” at maintenance specialist disposal

To provide documents models in order to simplify and speed up the process while
improving exchanges quality

To centralise information and manage knowledge

To put method at users disposal all along the process

**Maintainability toolbox is applicable for all maintainability studies on complex
programs. (railway, nuclear...)**

- | | |
|-------------------------------|--|
| Fluent process : | - process always reminded
- input and output documents models available |
| Fluent communication : | - relevant data exchanged via intranet |
| Fluent exchanges : | - models and databases |



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QUESTIONS